

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AM101448 PCT	FOR FURTHER ACTION <div style="float: right; font-size: small;">see Form PCT/ISA/220 as well as, where applicable, item 5 below.</div>	
International application No. PCT/US2004/025789	International filing date (day/month/year) 10/08/2004	(Earliest) Priority Date (day/month/year) 14/08/2003
Applicant WYETH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

EV321878499US

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/025789

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K16/42 C07K16/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LIU ZHANQI ET AL: "Generation of anti-idiotypic antibodies for application in clinical immunotherapy laboratory analyses." HYBRIDOMA AND HYBRIDOMICS. AUG 2003, vol. 22, no. 4, August 2003 (2003-08), pages 219-228, XP001204008 ISSN: 1536-8599 the whole document</p> <p style="text-align: center;">----- -/--</p>	1-23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

30 November 2004

Date of mailing of the international search report

17/12/2004

Name and mailing address of the ISA

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Heder, A

INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HIRASHIMA K ET AL: "High idiotypic connectivity of the VH7183-encoded antibodies directed to a murine embryonic carbohydrate antigen, Lewis Y, as ascertained by syngenic anti-idiotypic monoclonal antibodies." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 1 JUL 1990, vol. 145, no. 1, 1 July 1990 (1990-07-01), pages 224-232, XP002308267 ISSN: 0022-1767	1-3,5-7, 9,10,15, 17
Y	the whole document	4,8, 11-14, 16,18-23
X	----- ROSOK M J ET AL: "Analysis of BR96 binding sites for antigen and anti-idiotypic by codon-based scanning mutagenesis." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 1 MAR 1998, vol. 160, no. 5, 1 March 1998 (1998-03-01), pages 2353-2359, XP002308268 ISSN: 0022-1767	1-3,5-7, 9-11
Y	the whole document	4,8, 12-23
Y	----- SCOTT A M ET AL: "Construction, production, and characterization of humanized anti-Lewis Y monoclonal antibody 3S193 for targeted immunotherapy of solid tumors." CANCER RESEARCH. 15 JUN 2000, vol. 60, no. 12, 15 June 2000 (2000-06-15), pages 3254-3261, XP002308269 ISSN: 0008-5472	1-23
Y	the whole document	
Y	----- CLARKE K ET AL: "Therapeutic efficacy of anti-Lewis(y) humanized 3S193 radioimmunotherapy in a breast cancer model: enhanced activity when combined with taxol chemotherapy." CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. SEP 2000, vol. 6, no. 9, September 2000 (2000-09), pages 3621-3628, XP002308270 ISSN: 1078-0432	1-23
	the whole document	
	----- -/--	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 93/24647 A (SANDOZ AG ; SCHOLZ DIETER (AT); JAKSCHE HERBERT (AT); JANZEK EVELYNE ()) 9 December 1993 (1993-12-09) the whole document -----	1-23
A	BHATTACHARYA-CHATTERJEE M ET AL: "THE ANTI-IDIOTYPE VACCINES FOR IMMUNOTHERAPY" CURRENT OPINION IN MOLECULAR THERAPEUTICS, CURRENT DRUGS, LONDON,, GB, vol. 3, no. 1, 2001, pages 63-69, XP001010393 ISSN: 1464-8431 -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/025789

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 23 is directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/025789

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9324647	A	09-12-1993	AT 179214 T 15-05-1999
		AU 678160 B2 22-05-1997	
		AU 4068893 A 30-12-1993	
		CA 2134751 A1 09-12-1993	
		CZ 9402851 A3 17-05-1995	
		DE 69324584 D1 27-05-1999	
		DE 69324584 T2 23-09-1999	
		DK 644947 T3 01-11-1999	
		WO 9324647 A1 09-12-1993	
		EP 0644947 A1 29-03-1995	
		ES 2133395 T3 16-09-1999	
		FI 945485 A 22-11-1994	
		GR 3030701 T3 30-11-1999	
		HU 71311 A2 28-11-1995	
		JP 11178594 A 06-07-1999	
		JP 7507207 T 10-08-1995	
		NO 944443 A 20-01-1995	
		NZ 252161 A 28-10-1996	
		PL 175651 B1 29-01-1999	
		RU 2208642 C2 20-07-2003	
		SG 50721 A1 21-11-2000	
		SK 139894 A3 11-07-1995	
		US 2002146410 A1 10-10-2002	